

Issue 2

DATA SHEET

MATERIAL REFERENCE – FLUORINOID® FL 130

DESCRIPTION STAINLESS STEEL FILLED PTFE

TYPICAL APPLICATIONS

FL 130 has good chemical resistance, low creep, low wear rate (often at the expense of the opposing surface). It is used in load bearing applications such as valve seats.

TYPICAL PHYSICAL PROPERTIES

SPECIFIC GRAVITY	(BS EN ISO 13000-2)	3.35 - 3.45
TENSILE STRENGTH	(BS EN ISO 13000-2)	>16 MPa
ELONGATION	(BS EN ISO 13000-2)	>170%
SHORE D HARDNESS	(BS EN ISO 13000-2)	59-63
COMPRESSIVE MODULUS (PREDICTED VALUE)		900 MPa
COEFFICIENT OF FRICT	ION (ASTM D1894) Dynamic Static	0.06 0.08
COEFFICIENT OF LINEAR EXPANSION		14 x 10 ⁻⁵ °C ⁻¹
MAXIMUM WORKING TEMPERATURE		260°C

These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.

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